

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

Claims 1-16 (Canceled)

17. (New) A rotation body for a printing machine, comprising:
a stator including at least one stator winding; and
a rotor including at least one permanent magnet and positioned for rotation relative to the stator
wherein current flowing through the stator winding interacts with the at least one permanent magnet and generates a torque acting on the rotor.
18. (New) The rotation body according to claim 17, wherein at least two stator windings are provided at axially offset points on the stator.
19. (New) The rotation body according to claim 17, wherein the at least one stator winding generates a magnetic field for driving the rotor over at least half of an axial length of the rotor.
20. (New) The rotation body according to claim 17, wherein the at least one stator winding is distributed over approximately an entire axial length of the stator.
21. (New) The rotation body according to claim 17, wherein the at least one stator winding is provided on an outer surface of the stator.
22. (New) The rotation body according to claim 17, wherein the rotor is a cylinder shell.
23. (New) The rotation body according to claim 17, wherein the rotor is a cylinder body comprising a blind hole.
24. (New) The rotation body according to claim 17, wherein the rotor is mounted on the stator by at least one bearing extending between the rotor and the stator, at least one bearing extending between the rotor and an external retainer, or at least a first bearing extending between the rotor and the stator and at least a second bearing extending between the rotor and the external retainer.

25. (New) The rotation body according to claim 17, further comprising a cylinder body or roller body which is supported on the rotor and fixed thereto by a non-positive frictional lock, a positive lock or by a combination of a non-positive frictional lock and a positive lock.

26. (New) The rotation body according to claim 17, further comprising a cooling system for cooling at least a partial area of the stator.

27. (New) The rotation body according to claim 17, wherein the at least one permanent magnet is annular, rod-shaped or a combination of annular and-rod shaped.

28. (New) The rotation body according to claim 17, wherein the at least one permanent magnet is provided on a rotor casing inner surface.

29. (New) The rotation body according to claim 17, wherein the rotor supports or defines a deflecting cylinder, a drawing roller, a ductor, a central cylinder, a steel cylinder, a printing blanket cylinder, a form cylinder, a plate cylinder, a rubber cylinder, a knife cylinder, a collecting cylinder, a cutting cylinder, an inking roller, or dampening roller.

30. (New) The rotation body according to claim 17, wherein the rotor is used in a folding apparatus or in a reel changer.

31. (New) A printing machine drive comprising a rotation body according to claim 17.

32. (New) The printing machine drive according to claim 31, further comprising a control device configured to one or more of a voltage, a strength of a current and a frequency of a current flowing in the at least one stator winding.

33. (New) The printing machine drive according to claim 31, further comprising an angle sensor for measuring a rotary position of the rotor.

34. (New) A rotation printing machine comprising rubber blanket cylinders and counter printing cylinders that together form printing points, and further comprising plate cylinders

which are mechanically coupled in pairs with the rubber blanket cylinders into cylinder groupings, wherein each cylinder grouping is driven by one or more of the plate cylinder, rubber blanket cylinder or the counter printing cylinder including a rotation body according to claim 17.

35. (New) The rotation body according to claim 17 wherein the rotation body defines a bearing for a cylinder or a roller of a printing machine.

36. (New) A method of driving a cylinder or roller of a printing machine, the method comprising:

providing at least one rotation body comprising:

a stator supported by the printing machine and including at least one stator winding;

and

a rotor including at least one permanent magnet and positioned for rotation relative to the stator;

positioning the cylinder or roller about the rotor; and

selectively providing current through the stator winding.